**6th Grade**

**Numbers and Operations**

1. Extending previous understandings of arithmetic to algebraic expressions and applying the properties of operations to generate equivalent expressions (CC.2.2.6.B.1). (Distributive Property with variables)
2. Using visual models to conceptualize multiplying and dividing fractions (CC.2.1.6.E.1).
3. Developing an understanding of statistical variability/ Ratio concepts/ratio reasoning to solve real world problems/ratio relationships/equivalent ratio tables/plotting on coordinate plane/solving unit rate problems (CC.2.1.6.D.1).

**Measurement**

1. Using nets to find surface area and applying in a real-world context (CC.2.3.6.A.1) (doing more now).
2. Using ratio reasoning to convert measurement units (CC.2.1.6.D.1)

**Geometry**

1. Understanding signs of numbers of 3 dimensional shapes in four quadrants of the coordinate plane (CC.2.3.6.A.1).
2. Finding areas of geometric shapes through composition and decomposition in the context of real-world problems (compound shapes) (CC.2.3.6.A.1).
3. Using coordinates in the coordinate plane to find the length of a side of a polygon (CC.2.3.6.A.1).

**Algebraic Concepts**

1. Reasoning about and solving one-variable equations and inequalities-newer/Using substitution (CC.2.2.6.B.3)

**Data Analysis and Probability**

1. Recognizing statistical variability (CC.2.4.6.B.1)-probability
2. Analyzing the overall shape of data and its meaning (CC.2.4.6.B.1).
3. Analyzing the measures of center and measures of variation (CC.2.4.6.B.1). Interquartile variability and mean absolute deviation)

**7th Grade**

**Numbers and Operations**

1. Analyzing proportional relationships and represent proportional relationships by equations (CC.2.1.7.D.1)
2. Unit rates associated with fractions (CC.2.1.7.E.1)

**Geometry**

1. Real life mathematical problems involving angle measure, area, surface area, and volume (CC.2.3.7.A.1)
2. Using properties of operations to write equivalent expressions (CC.2.2.7.B.1)

**8th Grade**

**Geometry**

1. Understanding congruence and similarity using rotations, reflections and translations (CC.2.3.8.A.2)
2. Using informal arguments to establish facts about angles(CC.2.3.8.A.2)

**Algebraic Concepts**

1. Defining, evaluating and comparing functions (CC.2.2.8.C.1)
2. Constructing function models (function notation is not required)(CC.2.2.8.C.2)
3. Comparing two functions represented in different ways?(CC.2.2.8.C.1)
4. Using equations of linear models to solve problems(CC.2.2.8.B.2)
5. Analyzing and solving systems of linear equations (CC.2.2.8.B.3)

**Data Analysis and Probability**

1. Analyzing and solving systems of linear equations(CC.2.4.8.B.2)